CLAIMS

The invention claimed is:

1. A water dispensing apparatus for providing an auxiliary supply of water to a consumer when a city water source becomes unacceptable comprising:

a) valve means for connecting, alternatively, one of a city water supply line and an auxiliary water supply line to a consumer water supply line;

b) a water accumulator connected to the auxiliary water supply line to supply water thereto;

c) an auxiliary water supply reservoir connected to the water accumulator;

d) an electric pump connected between the auxiliary water supply reservoir and the water accumulator for pumping water from the auxiliary water supply to the water accumulator; and

e) means for sensing a water pressure output from the water accumulator and for electrically connecting the electric pump to a power source in response to the pressure detected falling below a predetermined value; whereby, when water in the city water supply line becomes unacceptable, the valve means can be operated to disconnect the city water supply line from the consumer water supply line and to connect the auxiliary water supply line to the consumer water supply line so that water is supplied thereto from the water accumulator and when the water pressure output from the water accumulator falls below a predetermined value, the pressure switch operates to connect the electric pump to a power source to pump water from the auxiliary water supply reservoir to replenish the water accumulator.

2. The water dispensing apparatus according to claim 1 wherein a check valve is inserted in the auxiliary water supply line downstream of the electric pump and upstream of the pressure switch.

3. The water dispensing apparatus according to claim 1 wherein a switching means for detecting a level of water in the auxiliary water supply reservoir is electrically connected in series with the electric pump so that when the level of water in the auxiliary water supply reservoir falls below a predetermined value, the switching means cuts off electrical power to the electric pump to prevent water being pumped from the auxiliary water supply reservoir to the water accumulator.

4. A water dispensing apparatus for providing an auxiliary supply of water to a consumer when a city water source becomes unacceptable, comprising:

a) an auxiliary water supply line having an upstream end and a downstream end;

b) valve means having an inlet for connecting, alternatively, to one of a city water supply line and the downstream end of the auxiliary water supply line and, an outlet for connecting to a consumer water supply line;

c) an auxiliary water supply reservoir connected to the upstream end of the auxiliary water supply line;

d) a water accumulator connected to the auxiliary water supply line at a location between the auxiliary water supply reservoir and the valve means;

e) an electric pump connected into the auxiliary water supply line at a location between the auxiliary water supply reservoir and the water accumulator for pumping water from the auxiliary water supply reservoir to the water accumulator; and

f) means connected to the auxiliary water supply line at a location between the electric pump and the valve means for sensing a water pressure output from the water accumulator and for electrical connection in series with the electric pump and a power source for connecting the electric pump to the power source to operate the electric pump in response to the pressure detected falling below a predetermined value; whereby, when a city water supply line becomes unacceptable, the valve means can be operated to disconnect the city water supply line from the consumer water supply line and to connect the auxiliary water supply line to the consumer water supply line so that water is supplied thereto from the water accumulator and when the water pressure output from the water accumulator falls below a predetermined value, the pressure switch operates to connect the electric pump to a power source to pump water from the auxiliary water supply reservoir to replenish the water accumulator.

5. The water dispensing apparatus according to claim 4 wherein a check valve is inserted in the auxiliary water supply line between the electric pump and the pressure switch and upstream of the water accumulator.

6. The water dispensing apparatus according to claim 5 wherein switching means for detecting a level of water in the auxiliary water supply reservoir is electrically connected in series with the electric pump so that when the level of water in the auxiliary water supply reservoir falls below a predetermined value, the switching means cuts off electrical power to the electric pump to prevent water being pumped from the auxiliary water supply reservoir to the water accumulator.

7. The water dispensing apparatus according to claim 6 wherein the water accumulator is connected both to receive water pumped from the auxiliary water supply reservoir during replenishment and to return the water to the auxiliary water supply line.